

ISSUE-3 (VARTAPATRAM) 2024-2025

Engineering is where creativity meets logic, turning ideas into things that shape the world

DEPARTMENT'S VISION

To emerge as a center of excellence producing globally competent and morally sound professionals in the field of ELECTRONICS AND COMMUNICATION ENGINEERING who will practice commitment to their professions and dedicate themselves to the service of mankind.

DEPARTMENT'S MISSION

- 1.To Develop state-of-the-art laboratories providing relevant practical inputs to students.
2. To provide strong knowledge base to students in the area of Electronics and Communication Engineering, and to train them as per requirement of industries and research organizations.
- 3.To facilitate Institute Industry Interaction to the benefit of stake holders and to motivate teachers for continuous improvement of their academic standards

PROGRAM EDUCATIONAL OBJECTIVES(PEO)

- 1.Graduate will have the fundamental and advance knowledge in Mathematics, Science, Electronics and Communication Engineering and design methodologies to successfully accomplish their professional career in industry as an Engineer, theoretically practically, in the field of Electronics and Communication Engineering, or become an entrepreneur.
- 2.Graduate will have strong fundamental knowledge in specialized areas of Electronics and Communication Engineering to contribute towards research and developments through paper publications, projects and pursue higher studies in their specialized fields.
- 3.Graduate shall learn all interpersonal skills and inculcate sense of social responsibilities and environmental concerns so as to make them good leader and citizens.

PROGRAM SPECIFIC OUTCOMES(PSO)

- 1.Students will have proficiency in grasping fundamental principles of Electronics and Communication Engineering and effectively applying them across diverse domains, including Semiconductors, Communications, Signal Processing, Antennas, Networking, VLSI, Embedded Systems, and becoming adept in the latest tools and methodologies employed in both research and industry.
- 2.Student will foster critical thinking to evaluate engineering issues pertinent to Electronics and Communication Engineering through the cultivation of profound expertise and skills in the realms of fundamental sciences, engineering mathematics, and core engineering principles, enabling the resolution of intricate engineering dilemmas.
- 3.Student will be able to acquire the skill to conduct independent research, seek innovative solutions, and make contributions to the progress of knowledge in specialized areas of Electronics and Communication Engineering. Adhere to ethical principles in engineering practice, research, and innovation, while exemplifying a steadfast dedication to integrity, social responsibility, and sustainable development

PILLARS OF BPIT

STALWARTS

- Shri Vinod Vats(Chairman)
- Padma Shree Shri Surender Sharma (Vice-President)
- Shri Ram Babu Sharma (General Secretary)
- Shri Shambhu Sharma (Secretary)
- Shri Sanjeev Sharma (Treasurer)
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Editor

Ms. Prachi Kaushik (Asst. Prof. ,ECE)

Student Editors

Himanshu sharma(3rd year,ECE)
Gyanvi(3rd year,ECE)



DEPARTMENT & ITS SOCIETIES

With technology becoming increasingly integrated into every aspect of society the college provides education in the field of Electronics. ELECTRONIC AND COMMUNICATION ENGINEERING department has been dedicated to research and teaching. It provides a conducive environment where students are prepared to innovate, solve problems. The department coordinates career opportunities for its students with industry and government agencies.

IEEE BPIT



IEEE-BPIT is a technical society which aims to spread technical awareness amongst Students. It helps them to develop their technical skills, to give a professional outlook, and to encourage them to participate in various technical competitions held in various Universities.

Institute of Electrical and Electronics Engineers (IEEE) BPIT is a professional organization dedicated to advancing technology for the benefit of students. IEEE BPIT has several objectives, including :



Advancing technology: IEEE BPIT aims to promote the development and advancement of technology where it's student members can work in any field and learn.



IIC

Ministry Of Education (MoE), Govt. Of India Has Established 'MoE's Innovation Cell (MIC)' To Systematically Foster The Culture Of Innovation Among All Higher Education Institutions (HEIs). The Primary Mandate Of MIC Is To Encourage, Inspire And Nurture Young Students By Supporting Them To Work With New Ideas And Transform Them Into Prototypes While They Are Informative Years. MIC Has Envisioned Encouraging Creation Of 'Institution's Innovation Council (IICs) Across Selected HEIs.



ELECTRONAUTS

ELECTRONAUTS is a student-led electronics society established to foster enthusiasm and passion for electronics among its members. The Society aim to cultivate a vibrant community where students can engage in open dialogue and exploration of electronic concepts beyond the confines of the standard curriculum, aligning with the evolving demands of the modern era. Mission:

- To provide exposure to the booming technologies in the field of electronics
- To invoke curiosity among the students.



HIGHLIGHTS OF DEPARTMENT

FACULTY OUTREACH & RECOGNITIONS



- Ms. **Prachi Kaushik** & **Dr. Komal Bhagat** presented & published a research paper titled "Machine Learning-Based Approaches for Cerebral Tumor Detection and Classification: A Comparative Performance Analysis" at the 3rd International Conference on Artificial Intelligence and Applications (ICAIA 2025), held from 26th to 27th March 2025. The paper will be published in Springer's AIS Book Series.
- Ms. Tanima Ghosh** Successfully defended her PhD thesis on 'Performance Analysis of Image Fusion Algorithms for Biomedical Applications' at Delhi Technological University, and achieved her Ph.D., degree.
- Dr. Sandeep Sharma** and **Mr. Risheek Kumar** has successfully completed one-week AICTE & MIC Sponsored FDP on Innovation & Entrepreneurship at NSUT Main Campus, Delhi from 24th March 2025 to 28th March 2025.
- An ICT-based Short-Term Course (STC) on "Teaching ECE Lab Subjects using Free Simulators" was held from 3rd to 7th March 2025, specifically designed for faculty members of ECE and EEE departments. The course was coordinated by Dr. Balwinder S. Dhaliwal (Course Coordinator, NITTR Chandigarh), along with **Dr. Garima Saini**, **Dr. Gaurav Kumar**, **Dr. Jagriti Saini**, and **Mr. Jatin Sharma**.
- Book chapter titled, "Advancements in Security Technologies for Smart Cities: A Comprehensive Overview" by **Dr. Megha Agarwal** with B.Tech. ECE student, Lokesh Singh has been published in "EXPLAINABLE IOT APPLICATION-A DEMYSTIFICATION" springer ISEM series, February 2025.
- An FDP on "IoT & AI Technologies for Research and Future Trends" was conducted from 25th to 29th March 2025, targeting faculty members from BPIT and other institutions. The program was coordinated by **Dr. Usha Sharma** and **Dr. Pavika Sharma**.

STUDENT ACHIEVEMENTS



- The team consisting of Nischay, Srijal Roy, Chhavi Gautam, and Jayesh Vishwakarma participated in the Arduino hackathon organized at Manav Rachana on 21st -22nd March 2025 and secured 1st position.



- The team consisting of Geetika Behl, Nischay, and Aatish Kumar participated in IDEATHON 3.0, an entrepreneurship festival pitching day on 1st March 2025, and secured 3rd position and a cash prize of Rs. 5000.



DEPARTMENTAL EVENTS

BPTT Bhagwan Parshuram Institute of Technology Rohini, New Delhi

Department of Electronics and Communication Engineering
 BPTT (BPTT) Centre of Excellence of VLSI and Embedded Systems and Pine Training Academy (PineT) presents

EXPERT TALK on

Hardware Design using FPGA

Date: 28 January 2025
 Day: Tuesday
 Time: 10 AM
 Venue: Room No. 303 (New Building)

SPEAKERS

Chief Patron: Shri. Vinod Kumar Chhabra

PATRONS

Prof. Rajat Palra (Principal), BPIT, New Delhi (IIT)

Prof. V.K. Gaur (Associate Director), BPIT, New Delhi

HEAD OF DEPARTMENT ECE
 Prof. Anjali Sharma

Coordinators
 Dr. Usha Sharma (IIT), NITRR, IITR
 Dr. Nishant Kumar (Professor), BPIT



- Hardware Design Using FPGA
- IEEE AP-S One Week STTP on "Next Generation Wireless Technology"
- ICT based STC on "Teaching ECE Lab Subjects using the free simulators"
- FDP on "IoT & AI Technologies for Research and Future Trends"

Echoes of Glory



Raj Keshri, student of ECE 2nd year secured 1st position in LAKSHAY 2024-25 (Cricket) held at GIBS, Delhi on 29-30 Jan, 2025



SUO Mohd. Zaid representing Delhi DTE at Republic Day Parade 2025



SUO Mohd. Zaid getting Tiranga and medal for best institution award (runner up) from ADG

PLACEMENT CORNER

Akash Shroff
 02120802821 (2021-2025)
 Amazon
 46.5LPA

21220802821
HARSH KAUSHIK
 4 WAY TECHNOLOGIES
 4.5 LPA
 (2021-2025)

Aashish Kumar
 2820802822 (2022-2026)
 21 LPA
 Juspay



06820802821
TRIPTI AGGARWAL
 ACCENTURE 4.5 LPA
 (2021-2025)



07820802821
UPASANA SINGLA
 JOSH TECHNOLOGY 13.23 LPA
 (2021-2025)



00620802821
SURAJ SINGH
 ACCENTURE 4.5 LPA
 (2021-2025)



01520802821
ROHIT ROY
 BCH ELECTRIC LIMITED 4.5-
 (2021-2025)